

SYLLABUS OF LECTURES
ON THE
PRINCIPLES AND PRACTICE
OF
SURGERY,
DELIVERED IN THE
MEDICAL AND SURGICAL THEATRE,
BROWN'S SQUARE, EDINBURGH.

BY
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PLAN OF THE COURSE.

- I. INTRODUCTORY.
- II. INFLAMMATION.
- III. CONSEQUENCES OF INFLAMMATION.
- IV. SURGERY OF BLOOD-VESSELS.
- V. EXTERNAL INJURIES.
- VI. AMPUTATION.
- VII. SURGERY OF BONES.
- VIII. ——— JOINTS.
- IX. ——— MUSCLES.
- X. ——— TENDONS.
- XI. ——— THROAT.
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- XIII. ——— ABDOMEN.
- XIV. ——— PELVIS.
- XV. ——— BRAIN AND NERVES.
- XVI. ——— SKIN.
- XVII. ——— EYE.
- XVIII. ——— MOUTH.
- XIX. ——— NOSE.
- XX. ——— EAR.

I. INTRODUCTORY.

Definition of Surgery ~ Its great Importance and Interest ~ How to be learned. ~ The Object of Lectures. ~ Plan of my own Course.

II. INFLAMMATION.

Constitution of the Body. ~ Vascular and non-vascular parts. ~ Action of vascular parts ~ Natural and unnatural. ~ Unnatural may be destructive or restorative of structure. ~ Condition generally intermediate between natural and unnatural action. ~ Inflammation. ~ Symptoms of Inflammation. ~ Redness. ~ Swelling ~ Heat ~ Pain ~ Derangement of Function. ~ Symptomatic Fever. ~ State of Blood. ~ Nature of Inflammation ~ Obstruction ~ Debility. ~ Objections to Mechanical Explanations. ~ Proofs that the Fluids of Organic Beings are moved by Attraction as well as Impulsion. ~ Definition of Inflammation. ~ Division into acute and chronic. ~ Terminations. Causes of Inflammation ~ Direct, or Irritations; ~ Indirect, or Disturbances in the Balance of Action. ~ Treatment of Inflammation. ~ Object of Treatment ~ Resolution ~ Removal of cause. ~ General bleeding ~ Venesection. ~ Arm. ~ Neck. ~ Foot, &c. ~ Arteriotomy. ~ Effects of loss of blood. ~ Re-action. ~ Local bleeding ~ Scarifying ~ Cupping. ~ Leeching ~ Purgatives ~ Injections ~ Diaphoretics. ~ Warm bath. ~ Fomentations. ~ Poultices. ~ Depressing medicines. ~ Astringents. ~ Stimulants ~ Counter-irritants. ~ Friction. ~ Rubefacients

~~~~ Blisters ~~~~ Eruptive ointments ~~~~ Moxa ~~~~  
 Actual Cautery ~~~~ Issues ~~~~ Setons ~~~~ Acu-  
 puncturation~~~~Choice of Remedies.

### III. CONSEQUENCES OR TERMINATIONS OF INFLAMMATION.

#### 1. *Mortification.*

Definition~~~~Description~~~~Local Symptoms~~~~  
 Constitutional Symptoms. ~~~~ Connection be-  
 tween local and constitutional Symptoms. ~~~~  
 Causes of Mortification, or Circumstances in-  
 ducing inflammation to terminate in Morti-  
 fication~~~~1. Weakness~~~~of Tissue~~~~of Indivi-  
 dual~~~~of Part. ~~~~ 2. Excessive Irritability, or  
 Disposition to act. ~~~~ 3. Excessive Irritation.  
 ~~~~Treatment. ~~~~ Preventative~~~~Remedial~~~~  
 Question as to Amputation.

2. *Effusion.*

a. Of Serum. ~~~~ Œdema. ~~~~ Dropsy. ~~~~ *b.* Of
 Lymph ~~~~ Superficial. ~~~~ False membranes~~~~
 Interstitial ~~~~ Thickenings. ~~~~ Union by first
 intention~~~~Not preceded by Inflammation.~~~~
 Principles for the treatment of incised wounds.

3. *Absorption.*

Description of Action implied by this term ~~~~
 Causes~~~~Effects~~~~Mode of inducing.

4. *Granulation.*

Description of~~~~Cicatrification~~~~ Question as to
 Reproduction~~~~Proofs that it is a Delusion,
 except in the case of Bones~~~~Remedy of Con-

tractions caused by Cicatrisation.....Ulcers
 Definition.....Mode of treating When tend-
 ing to heal When not tending to heal.
 Owing, 1. To defect of action.....2. To excess
 of action.3. To other causes. Particular
 Remarks on Ulcers of the Legs.Scorbutic
 Ulcers.....Sloughing Ulcers.....Hospital Sore.....
 Ulcers of the Genitals.

5. *Suppuration.*

Properties of Pus.....*a.* Superficial Suppuration,
Runnings.....Treatment of acute of chro-
 nic.....*b.* Interstitial Suppuration.....Abscess.....
 Treatment of acute.....of chronic. Hectic Fe-
 ver.....Sinuses.....Fistulas.

6. *Diseased Nutrition.*

Division of Tumours into those depending on
 Displacement, and those depending on Mor-
 bid Growth..... General Remarks on Morbid
 Growths. Sarcomatous Tumours Vas-
 cular Adipose.....Cystic.....Carcinomatous
 Medullary.....Scrofulous.....Encysted.

IV. SURGERY OF BLOOD-VESSELS.

Arteries.....General remarks.....Consequences of
 Inflammation affecting their Coats.....Wounds
 of Arteries.....Opinions as to their reparation.
Mode of repressing Arterial Hæmorrhage.
Ligature Pressure Styptics.....Hæmor-
 rhagic Diathesis Transfusion. Aneurism
 Definition. Question as to formation of
 Sac..... Aneurisms divided into True *a.* By
 Dilatation.....*b.* By Rupture of Internal Coats;
and False.....Symptoms of Aneurism.....Na-

tural Course of Aneurism. Treatment
 Starvation. Pressure. Ligature Bad con-
 sequences. Proper principles of its applica-
 tion. Internal Aneurisms. External Aneu-
 risms Popliteal. Surgical Anatomy.
 Operation. After treatment. Surgical Ana-
 tomy of Arteries below Knee. Operations
 for their Ligature. Surgical Anatomy of
 Iliac Arteries. Femoral Inguinal and
 Glutæal Aneurism. Operations. Surgical
 Anatomy of Arm. Operations. Surgical
 Anatomy of Neck. Operations. Ligature
 of Carotid Subclavian and Innominata.
 Aneurism by Anastomosis. Description.
 Distinction from Nævus. Treatment.
 Pressure. Ligature of Trunks. Excision.
 Aneurism of Bones. Varicose Aneurism.
 Veins. General Remarks on their Structure,
 &c. Inflammation of Veins. Causes.
 Treatment. Wounds. Bloody Tumours
 from their Rupture. Nævus. Varix.
 Aneurismal Varix.

V. EXTERNAL INJURIES.

Wounds. Incised. Treatment. Remarks on
 the performance and after-treatment of Ope-
 rations in general. Punctured Wounds.
 Contused Wounds. Ecchymosis. Gun-
 shot Wounds. Injuries from Cold Chil-
 blains Frost-bite. Injuries from Heat.
 Treatment of slight Burns. of severe Burns
 Injuries from Poisons. Mineral Vege-
 table. Animal Natural Animal Poisons
 Morbid Animal Poisons.

VI. AMPUTATION.

History of Circular Incision. ~~~ Best mode of operating in this way. ~~~ History of Flap Method. ~~~ Amputation of Fingers and Toes ~~~ of Metatarsus and Tarsus ~~~ of Leg ~~~ of Thigh ~~~ of Arm ~~~ at Shoulder-joint ~~~ at Hip-joint.

VII. SURGERY OF BONES.

General Remarks on their Structure and Growth. ~~~ Fractures. ~~~ Causes. ~~~ Simple Fracture. ~~~ Compound Fracture. ~~~ Reparation. ~~~ Treatment of Simple Fractures. ~~~ Treatment of Compound Fractures. ~~~ Question as to Amputation. ~~~ Fracture of Toes. ~~~ Metatarsus. ~~~ Fibula. ~~~ Tibia and Fibula. ~~~ Patella. ~~~ Femur ~~~ through its Shaft ~~~ through its Condyles ~~~ through its Trochanters ~~~ through its Neck ~~~ Fingers. ~~~ Metatarsus. ~~~ Radius. ~~~ Radius and Ulna. ~~~ Olecranon. ~~~ Humerus ~~~ through its Shaft ~~~ through its Condyles ~~~ through its Neck ~~~ Clavicle. ~~~ Acromion. ~~~ Sternum ~~~ Ribs ~~~ Pelvis. ~~~ Vertebrae. ~~~ Lower Jaw. ~~~ Nose. ~~~ Cranium. ~~~ Detachment of Epiphyses. ~~~ Bending of Bones. ~~~ False Joints ~~~ Remedy. ~~~ Inflammation of Bones. ~~~ Periostitis ~~~ Treatment of Acute ~~~ of Chronic ~~~ Exostosis ~~~ Solid ~~~ Hollow ~~~ Acicular, or Foliated. ~~~ Absorption of Bones. ~~~ Mortification, or Necrosis. ~~~ Causes. ~~~ Necrosis of external Surface ~~~ of internal Surface ~~~ of whole Thickness. ~~~ Opinions as to Restoration ~~~ Treatment. ~~~ Necrosis of particular Bones. ~~~ Caries ~~~ Description ~~~

Causes.....Treatment. Osteo Sarcoma.....De-
 scription.....Treatment..... Rachitis Descrip-
 tion Treatment. Mollities Ossium.....Af-
 fections of Spine.....Inflammation.....Suppura-
 tion.....Lumbar and Psoas Abscess, Caries.
Lateral Curvature.....Club Foot.

VIII. SURGERY OF JOINTS.

General Remarks on Connections of Bones.....
 Symphysis. Articulation. Structure of
 Joints.....Strains.....Dislocations in general.
 Symptoms Causes and Treatment
 Dislocation of Shoulder Elbow Wrist.....
 Thumb Fingers.....Clavicle.....Lower Jaw.....
 Vertebrae Hip-joint Knee Ankle
 Astragalus.....Wounds of Joints.....Compound
 Dislocation. Inflammation of Joints.
 Dropsy of Joints. Absorption of Cartilage.
 Suppuration.....Anchylosis.....Loose Carti-
 lages.....White Swelling.....Morbus Coxarius.

IX. SURGERY OF MUSCLES.

Inflammation. Rupture.....Contusions.....Con-
 traction.....Absorption.....Displacements.

X. SURGERY OF TENDONS.

Rupture.....Wounds.....Ganglion.....Bursæ.

XI. SURGERY OF THROAT.

Surgical Anatomy.....Cut-Throat.....Stricture of
 Œsophagus.....Foreign Bodies.....Extraction.
Œsophagotomy.....Stomach Pump.....Tra-
 cheotomy. Laryngotomy.....Bronchocele.....
 Tumours of other kinds.

XII. SURGERY OF THORAX.

Wounds.....1. Not penetrating.....2. Penetrating.
 3. Penetrating with Wound of Lungs.
 4. Wound of Lungs and Pleura Costalis without external opening.....Emphysema. Gun-shot Wounds of Chest. Paracentesis. Diseases requiring it.....Operation.....Mamma. Description. Inflammation. Suppuration..... Milk Abscess.....Deep-seated 'Chronic Abscess. Irritable Tubercle. Chronic Hardness. Scirrhus.....Cancer. Question as to Extirpation. Operation..... Medullary Sarcoma.....Cystic Tumours, &c.....Mammilla. Glands of Axilla. Suppuration.....Extirpation.

XIII. SURGERY OF ABDOMEN.

Wounds of Parietes penetrating with wound of Intestines. Wounds of Viscera without external aperture. Gastrotomy. Paracentesis. Cases requiring it. Operation.....Hernia..... Surgical Anatomy of Inguinal.....Description of Common.....a. external b. internal.....Congenital.....Infantile?.....Causes. Symptoms of Reducible Incarcerated..... Strangulated. Treatment of Reducible Incarcerated Strangulated. Operation. Preternatural Anus. Surgical Anatomy of Femoral..... Description.....Causes.....Symptoms.....Treatment.....Operations.....Umbilical and Ventral Hernia. Perineal, &c. Intussusception.

XIV. SURGERY OF PELVIS.

Rectum. Imperforate Anus. Stricture. Foreign Bodies. Ascarides. Prolapsus Ani. Hæmorrhoids. Fistula in Ano.

Urinal Organs.

Kidneys. Inflammation. Suppuration. Calculus. Nephrotomy. Ureter. Description. Obstructed by Calculus. Bladder and Urethra. Surgical Anatomy. Retention of Urine from 1. Palsy. How induced Introduction of Catheter. 2. Spasm Causes. Treatment. 3. Enlarged Prostate. Symptoms. Treatment. Abscess of Prostate. Calculi of ditto. 4. Stricture of Urethra Causes. Symptoms. Treatment. Fistula in Perinæo. Extravasation of Urine. Puncture of Bladder. Above Pubes from Perinæum through Rectum. 5. Rupture of Urethra how caused. Remedy. 6. Calculus Formation Composition Symptoms Sounding Treatment Palliative Radical *a.* By Removal through Urethra. *b.* By Excision. History of Lithotomy Apparatus Minor Apparatus Major Lateral Operation Surgical Anatomy Proper Mode of performing the Operation Alleged Improvements since Cheselden shewn to be no Improvements. Late Proposal for renewing the old Plan of beginning the Operation one day, and finishing it on another. Lithotomy above the Pubes. Lithotomy by the Rectum. Incontinence of Urine From

Palsy ~ From Irritable Bladder, ~ Common, but most mischievous mistaking of its Symptoms for those of Stone or Stricture ~ Treatment ~ Hæmaturia ~ Retention of Urine in Female ~ Calculus of Bladder in Female ~ Removal by Dilatation ~ By Operation.

Genital Organs.

History of Venereal Diseases ~ Syphilis ~ Gonorrhœa ~ Symptoms ~ Treatment ~ Chordee. ~ Inflamed Absorbents ~ Bubo ~ Gleet ~ Preputial Gonorrhœa ~ Warts ~ Sores of Penis ~ Of Mechanical Origin. ~ Of Poisonous Origin. ~ Constitutional Symptoms. ~ Sloughing Sore. ~ Phymosis. ~ Paraphymosis. ~ Cancer of Penis. ~ Amputation of Penis. ~ Excision of Clitoris. ~ Imperforate Vagina. ~ Extirpation of Uterus ~ Of Uterine Polypus ~ Testicle ~ Hydrocele ~ Diagnosis ~ Treatment ~ Palliative ~ Radical ~ By Excision ~ By Incision ~ Seton ~ Injection ~ Hæmatocele ~ Circocèle ~ Hernia Humoralis ~ Chronic Enlargement of Testicle. ~ Abscess of Testicle. ~ Scirrhus. ~ Medullary Sarcoma, &c. ~ Castration. ~ Scrotum ~ Enlargement. Cancer.

XV. SURGERY OF NERVOUS SYSTEM.

Anatomical Description of the Brain and Nerves. ~ Inflammation of the Brain and its Membranes. ~ Consequences. ~ Hydrocephalus ~ Acute ~ Chronic. ~ Absurdity of Paracentesis. ~ Effects of Violence ~ Concussion ~ 1. Of the Cerebral Substance ~ Causes ~

Symptoms ~ Treatment. ~ 2. Of the Membranes ~ Causes ~ Symptoms and Treatment ~ Compression ~ Cause ~ Symptoms ~ Treatment ~ Trepan. ~ Wounds of Brain ~ Hernia Cerebri ~ Fracture ~ Fissure ~ Depression ~ Puncture ~ Contusion of Cranium. ~ Exposure of Cranium. ~ Wounds of Scalp. ~ Contusions of Scalp. ~ Congenital Tumours of Head. ~ Encysted Tumours of Scalp. ~ Spinal Marrow. ~ Spina-Bifida ~ Description ~ Treatment. ~ Injuries of Spinal Marrow ~ Concussion. ~ Compression ~ Fracture. ~ *Nerves.* ~ Injuries of Nerves. ~ Effect of Pricks. ~ Partial Division. ~ Laceration and Lodgment of Foreign Bodies. ~ Tic Dououreux. ~ Tetanus. ~ Tumours of Nerves. ~ Subcutaneous Nervous Tubercle. ~ Enlargement of Truncated Extremities.

XVI. SURGERY OF SKIN.

Anatomy of Skin. ~ Inflammation of Skin. ~ Erysipelas. ~ Symptoms. ~ Causes. ~ Treatment. ~ Phlegmonous Erysipelas. ~ Œdematous Erysipelas. ~ Gangrenous Erysipelas. ~ Furunculus or Boil. ~ Anthrax or Carbuncle. ~ Cutaneous Diseases ~ General Remarks on their Causes and Treatment. ~ Warts. ~ Callosities. ~ Corns. ~ Hair. ~ Nails. ~ Inverted. ~ Onychia. ~ Paronychia.

XVII. SURGERY OF EYE.

Anatomical Description of Eye and Appendages. ~ Conjunctiva. ~ Inflammation. ~ Acute Ophthalmia. ~ Chronic. ~ Consequences.

..... Purulent Discharge Infantile Gonorrhoeal. Egyptian. Granular Surface. Nebula. Pterygium. Ulcer.....Sclerotic..... Inflammation.....Iris.....Inflammation.....Consequences of Iritis Hypopion. Operations for Artificial Pupil. Vascular Cornea Abscess of.....Perforation..... Prolapsus Iridis. Staphyloma. Retina. Inflammation. Medullary Sarcoma.....Extirpation of Eyeball.....Cataract.....Symptoms.....Causes.....Treatment.....Lenticular..... Displacement Extrac-tion.....Breaking up.....Capsular.....Eye-lids. Ophthalmia Tarsi. Hordeolum. Ectropium. Warts. Encanthis. Entropium. Trichiasis. Lachrymal Gland.....Extirpa-tion of Orbital Tumours.....Epiphora.....Opera-tion. Abscess of Sac.....Fistula Lacrymalis.

XVIII. SURGERY OF MOUTH.

Anatomical Description of Mouth and Appen-dages Salivary Glands Fistula Calcu-lus Ranula Extirpation of Parotid Tu-mours.....of Sub-maxillary do.....of Sub-lingual doCancer of Lip. Hare Lip.....Split Pa-late. Wounds of Tongue. Ulcer of Tongue.....Cancer of do.....Extirpation of do. Swelling of Tongue. Short Frænum. Teeth.....Remarks on Growth, &c..... Extrac-tion. Stumps, &c. Gum-boil.....Cancrum Oris. Epulis. Malignant Tumours of Gums. Excision of Jaws. Tonsils. In-flammation. Abscess. Chronic enlarge-ment.....excision.

XIX. SURGERY OF NOSE.

Anatomical Description.....Epistaxis..... Polypus
 Mucous Warty Fibrous. Foreign
 Bodies. Antrum Maxillare. Abscess.
 Polypus.....Frontal Sinuses Abscess of, &c.
 Noli-me-tangere.....Cancer of Nose..... Am-
 putation.....Restoration.

XX. SURGERY OF EAR.

Anatomical Description of Inflammation.
 Purulent Discharge..... Polypus.....Accumula-
 tion of Wax.....Foreign Bodies.....Obstruction
 of Eustachian Tube. Puncture of Tympa-
 num.
